LOCUS

Human AMP-activated protein kinase gamma 3 subunit (PRKAG3 gene), DNA 5'untranscribed-intron 2, 821 bp

FEATURES

5'UTR 313-331 exon 1 332-364 intron 1 365-726 exon 2 727-766 intron 2 767-821>

BASE COUNT

11

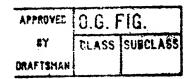
139 a

219 c

259 g

204 t

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1 tctgagagcc caactctgct caatgaccat gttcccacat gctccaagcc acatcccctc
61 aaaaagggtc cctctagctt gtcctcagtg acccaggagg cagctgagga ccaagtaccc
121 agattatccg gtgcgccct tccctccag caaccccaag ccttcagggc tgtagcagct
181 gagcaaatgg gggcccctc ctctcattgc ctgacaccca atcagagaga aaccgatcct
241 ggcagggcag ggtgcccggg gccgggcca gaatagtgca gcccagcaac agtgtcgcac
301 acttgctctc agttggtctg gggctggcca catggagccc gggctggagc acgcactgcg
361 caggggtatgg gggtcccagg ggagccggag ccggggcagc tgaggccaga agattgagcg
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541 gtgtgcctgg gagtgttgg atgtgtgt ttctgtgtg gtttgtgat ggctgcatgt
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661 cagggagaag gggtttgga atgtaaggca ctttcccac tccttcagaa actcttccc
721 ccacagaccc cttcctggag cagccttggg ggttctgagc atcaaggtag ggagaatgcc
781 ccctcctgg ggcctaacct cttccccac ttccttgtcc c
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LOCUS

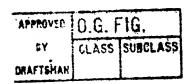
Human AMP-activated protein kinase gamma 3 subunit (PRKAG3 gene), DNA intron 2-intron 4, 989 bp

FEATURES

intron 2 <1-21 exon 3 22-177 intron 3 178-541 exon 4 542-945 intron 4 946-989>

BASE COUNT 229 a 306 c 286 g 168 t

1 caggececat teceetteea gagatgaget teetagagea agaaaacage ageteatgge 61 catcaccage tgtgaccage agetcagaaa gaatcegtgg gaaacggagg gecaaageet 121 tgagatggac aaggcagaag tcggtggagg aaggggagcc accaggtcag ggggaaggtg 181 aggccaaggc cagttctggg gaggtgggag ccaggggagt gggaaatccc agaggagcct 241 gggtctggtc tctacctcag gtccctccat aacacagagt tggacccaac cttcatcttg 301 tggcctcagt ctccctacat agtagagaac aaggcactgc agtgccagag gccagcatgg 361 ccaactcaga aagatgggac agagccacta cctggggcga ctctcaggtc agcccctcac 421 ctgcaaatag ggccacagca tccaggcttc ccactgctgc tgtgagatga atggcgacag 481 cagatgagaa cgtgctttgg aagatggagt tactgtcctc ttcccctcct ccccaaaca 541 ggtccccggt ccaggccagc tgctgagtcc accgggctgg aggccacatt ccccaagacc 601 acaccettgg ctcaagetga teetgeeggg gtgggeaete caccaacagg gtgggaetge 661 ctccctctg actgtacagc ctcagctgca ggctccagca cagatgatgt ggagctggcc 721 acggagttcc cagccacaga ggcctgggag tgtgagctag aaggcctgct ggaagagagg 781 cctgccctgt gcctgtcccc gcaggcccca tttcccaagc tgggctggga tgacgaactg 841 cggaaacccg gcgcccagat ctacatgcgc ttcatgcagg agcacacctg ctacgatgcc 901 atggcaacta gctccaagct agtcatcttc gacaccatgc tggaggtgag gccacggctc 961 tgcccaacct gtactcactc tccatccac



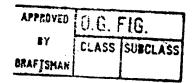
LOCUS

Human AMP-activated protein kinase gamma 3 subunit (PRKAG3 gene), intron 4-intron 10, 1722 bp

FEATURES intron 4 <1-13 14-95 exon 5 intron 5 96-552 exon 6 553-611 intron 6 612-736 737-782 exon 7 intron 7 783-986 exon 8 987-1041 1042-1242 intron 8 1243-1369 exon 9 intron 9 1370-1522 exon 10 1523-1688 intron 10 1689-1722>

BASE COUNT 321 a 504 c 534 g 363 t

1 cctggccct cagatcaaga aggccttctt tgctctggtg gccaacggtg tgcgggcagc 61 ccctctatgg gacagcaaga agcagagctt tgtgggtgag gagaggctgg ggaggtgaag 121 ggagatggag gaggtgaggg ggagatcttg tacggttgtt ctggggctga tctctgatat 181 accacaaget tggetteagg ceaageeeag ceaggggeea gggtggagga aagteeatee 241 ggagtctgca tggccagctg ggagaccctg gggctcaatt tccccatctg tggagccgct 301 atgaccaget gacacettte accteegeta etgeatggee etgtgeeata ggtgetaggg 361 agcaaatggg gggaggcagg agagaaagag ccccacttct caggcctggg gggctgcccc 421 actgtcctgt tcccacagtc cccactgtgt ctcagcacaa ggacactggc agggtgggga 481 ggggatctga ccctcaacct gccttccacc caaaggcccc gggctgacct cctccccgcc 541 cctccctqc agggatgctg accatcactg acttcatcct ggtgctgcat cgctactaca 601 ggtccccct ggtgaggagt gggctgggaa tcttatgggc acccagaggg gcggggggg 661 aggggagtcc tcctggagcc tggtgcccta gaagcccacg tctttctgac ttctggagtc 721 ctgtcgatgt ctctaggtcc agatctatga gattgaacaa cataagattg agacctggag 781 gggtgagtgg ggagaggaac ccggaaaggg gctgttggtg atggtgggcc agggcttaag 841 gtggaggatg ggcagtgggg atgtcctgga gtgaacaggg gagggacaat aggagcctcg 901 ggtgcctgac ggaagggaag ctgcctggga ctgcaaggtg aggcaggtga ccggctcccc 961 tggcctgact ctggctcttt ctgcagagat ctacctgcaa ggctgcttca agcctctggt 1021 ctccatctct cctaatgata ggtgggtgtc tctgctcatt cacctgagcc tcctcctccc 1081 acagtecect tecceagtee cacteagete tgaacteace tetteateet aggeggeaca 1141 cagacaaggg agccttggtg ccctgccctc ctttttaggg gcctgggatg gaggttgtct 1201 ctccctaggc tgccccgagg ctcactgctc ccatctctgc agcctgtttg aagctgtcta 1261 caccetcate aagaacegga tecategeet geetgtiett gaeeeggtgt caggeaacgt 1321 actocacate etcacacaca aacgootget caagttootg cacatetttg taagcotggg 1381 cccaggtggg aggaaggggg agacctgggc aggtgatcag agggcctgag gagtcttcag 1441 ccctagcagt cgtggggaag agctgggagc cctcttgaag ctgctggatc cctgatctcc 1501 acctgqtccc catcctaacc agggttccct gctgccccgg ccctccttcc tctaccgcac 1561 tatccaagat ttgggcatcg gcacattccg agacttggct gtggtgctgg agacagcacc 1621 catcctgact gcactggaca tctttgtgga ccggcgtgtg tctgcactgc ctgtggtcaa 1681 cgaatgtggt acccacccc aggatgagag gctcgggctg ga







LOCUS

Human AMP-activated protein kinase gamma 3 subunit (PRKAG3 gene), intron 10-3'UTR, 1014 bp

FEATURES

intron 10 <1-41

exon 11 42-79 intron 11 80-249 exon 12 250-396 intron 12 397-739

exon 13 740-856

3'UTR 857-1014>

BASE COUNT 192 a 325 c 271 g 226 t

1 cctgtctttc tcccccacc ccccacaacc accctctgca ggtcaggtcg tgggcctcta 61 ttcccqcttt gatgtgattg taagtgtcgc tggaaaggtg ggatgctgca gggaggctaa 121 gggtgtgggg atgggtgggg ggcctctgtg gaccaggggg accttgacaa gtatgcaggg 181 gttgacatct gtagggtagg agcccaggca agggggtgac taggagccat acttctctct 241 ctgccccagc acctggctgc ccagcaaacc tacaaccacc tggacatgag tgtgggagaa 301 gccctgaggc agaggacact atgtctggag ggagtccttt cctgccagcc ccacgagagc 361 ttgggggaag tgatcgacag gattgctcgg gagcaggtac cgtgtgccct ccattcatgc 421 ccccaacaca tatagcccag tccttctcat gcacggctcc agccatccct gaacatcggg 481 cacctggcct atccttccat ttcatgacca actcctggtg cccacactgg cctgcacctg 541 gtectgteca tggggeeett atgccagggg teactgccaa etgateacet taggeeggte 601 acaccatccc taactggttt ctaggagacg ctctctccct cagtcatgtt gggttgtttc 661 ccctgattct tggcaccaac ctcagtagct gctgtagccc catggctctg cccctcact 721 gaacattgcg gacccacagg tacacaggct ggtgctagtg gacgagaccc agcatctctt 781 gggcgtggtc tccctctccg acatccttca ggcactggtg ctcagccctg ctggcatcga 841 tgccctcggg gcctgagaag atctgagtcc tcaatcccaa gccacctgca cacctggaag 901 ccaatgaagg gaactggaga actcagcctt catcttcccc cacccccatt tgctggttca 961 gctatgattc aggtaggctc tgccctgggc catgacacca gcctcttagt cttc

APPROVED C.G. FIG.

BY CLASS SUBCLASS

GRAFTSHAN



LOCUS

Human AMP-activated protein kinase gamma 3 subunit (PRKAG3 gene), cDNA including the complete cds, 1647 bp

FEATURES

CDS

20-1489

/note="predicted coding region"

/translation="MEPGLEHALRRTPSWSSLGGSEHQEMSFLEQENSSSWPSPAVTSSSERIRGKRRAKALRWTRQKS VEEGEPPGQGEGPRSRPAAESTGLEATFPKTTPLAQADPAGVGTPPTGWDCLPSDCTASAAGSSTDDVELATEFPATEA WECELEGLLEERPALCLSPQAPFPKLGWDDELRKPGAQIYMRFMQEHTCYDAMATSSKLVIFDTMLEIKKAFFALVANG VRAAPLWDSKKQSFVGMLTITDFILVLHRYYRSPLVQIYEIEQHKIETWREIYLQGCFKPLVSISPNDSLFEAVYTLIK NRIHRLPVLDPVSGNVLHILTHKRLLKFLHIFGSLLPRPSFLYRTIQDLGIGTFRDLAVVLETAPILTALDIFVDRRVS ALPVVNECGQVVGLYSRFDVIHLAAQQTYNHLDMSVGEALRQRTLCLEGVLSCQPHESLGEVIDRIAREQVHRLVLVDE TQHLLGVVSLSDILQALVLSPAGIDALGA"

BASE COUNT

346 a

502 c

462 g

337 t

```
1 ttggtctggg gctggccaca tggagcccgg gctggagcac gcactgcgca ggaccccttc
  61 ctggagcagc cttgggggtt ctgagcatca agagatgagc ttcctagagc aagaaaacag
121 cageteatgg ceateaceag etgtgaceag cageteagaa agaateegtg ggaaaeggag
181 ggccaaagcc ttgagatgga caaggcagaa gtcggtggag gaaggggagc caccaggtca
241 gggggaaggt ccccggtcca ggccagctgc tgagtccacc gggctggagg ccacattccc
301 caagaccaca cccttggctc aagctgatcc tgccggggtg ggcactccac caacagggtg
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541 cgaactgcgg aaacccggcg cccagatcta catgcgcttc atgcaggagc acacctgcta
 601 cgatgccatg gcaactagct ccaagctagt catcttcgac accatgctgg agatcaagaa
 661 ggccttcttt gctctggtgg ccaacggtgt gcgggcagcc cctctatggg acagcaagaa
 721 gcagagettt gtggggatge tgaccateae tgaetteate etggtgetge ategetaeta
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 901 tgaagetgte tacaccetea teaagaaceg gatecatege etgeetgtte ttgaeeeggt
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1141 ctttqtqqac cqqcqtqtqt ctqcactqcc tqtqqtcaac gaatqtqqtc aggtcqtqqq
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1621 ggccatgaca ccagcctctt agtcttc
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